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DECLARATION FOR UTIL	TY OR	Attorney Docket Number	11321-P061WOUS					
DESIGN	1	First Named Inventor	Billups, et al.					
PATENT APPLICATIO	N	COMPLETE IF KNOWN						
(37 CFR 1.63)]	Application Number	10/542,697					
Declaration	ition ted after Initial	Filing Date	23 January 2004					
With Initial Filing (s	Surcharge R 1.16 (e))	Art Unit	Unknown					
require		Examiner Name	Unknown					
I hereby declare that:								
Each inventor's residence, mailing address, a	and citizenship are a	as stated below next to the	eir name.					
I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:								
		STRESS DETERMI	NATION BY MEANS OF					
SMART MATERIALS: STRAIN SENSING AND STRESS DETERMINATION BY MEANS OF NANOTUBE SENSING SYSTEMS, COMPOSITES AND DEVICES								
	(Title of the I	Invention						
the specification of which	(Title Of the I	mvenuonj						
is attached hereto								
OR								
was filed on (MM/DD/YYYY)	19 JULY 2005	as United States Appli	cation Number or PCT International					
Application Number 10/542,697	and was amended	d on (MM/DD/YYYY)	(if applicable).					
I hereby state that I have reviewed and under amended by any amendment specifically reference.	rstand the contents or	of the above identified spe	ecification, including the claims, as					
I acknowledge the duty to disclose information-in-part applications, material informational filing data.	ormation which bec	ame available between the	fined in 37 CFR 1.56, including for ne filing date of the prior application					
I hereby claim foreign priority benefits under	er 35 U.S.C. 119(a)	-(d) or (f), or 365(b) of a	ny foreign application(s) for patent,					
inventor's or plant breeder's rights certificate country other than the United States of Amer	ica, listed below and	d have also identified belo	ow, by checking the box, any foreign					
application for patent, inventor's or plant bree before that of the application on which priority	eder's rights certifica	ate(s), or any PCT interna	tional application having a filing date					
Prior Foreign Application	Foreign Filing	Date Priority	Certified Copy Attached?					
Number(s) Country	(MM/DD/YY)	YY) Not Claim	ed YES NO					
N/A								
Additional foreign application number	ers are listed on a su	upplemental priority data s	sheet PTO/SB/02B attached hereto.					

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DECLARATION — Utility or Design Patent Application

correspondence to:	he address ssociated with ustomer Number:				OR	Ø	Correspondence address below
Name				···	····		
Robert C. Shaddox							
Address							
P.O. Box 50784							·
City			State				ZIP
Dallas			TX				75201-0784
Country	Telepi	hone	L		Fax		
us	(713) 65	50-2764			(214)	745-539	90
I hereby declare that all stater and belief are believed to be statements and the like so ma false statements may jeopardiz	e true; and further tha ide are punishable by fi	at these sta	tements we onment or	ere made both unde	with t ∍r 18 i	ha kno	whedre that willful falce
NAME OF SOLE OR FIRST IN	NVENTOR:		etition has	been filed	for this	s unsia	ned inventor
Given Name (first and middle [if any])			Family N	ame o	r Surna	me
Enrique V	•			Barrera			•
Inventor's Signature Engue O Co	amer_						Date 2/15/06
Residence: City	State		Country			Citizer	nship
Houston	TX		us			US	
Mailing Address 2514 Dryden Road							
City	State		Zip				Country
Houston	TX		770:	30			us
NAME OF SECOND INVENTO	DR:			petition ha	is bee	n filed f	or this unsigned inventor
Given Name (first and middle [if any])			Family Na			•
Satish			i	lagarajaiah			
Inventor's Signature							Date
Residence: City	State		Country		$\neg \neg$	Citizer	nship
Sugar Land T	TX		us		- 1	IN	
Mailing Address 3106 Pablo Picasso Dr.							
City	State		Zip		$\neg \tau$	Count	ry
Sugar Land	тх		77479	9		US	
Additional inventors or a legal re	presentative are being named	on the 1 s	upplemental si	heet(s) PTO/S	SB/02A	or 02LR =	attached herelo.



PTO/SB/02A (09-04)
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DECLARATION	ON	ADDITIO Supplemen	NAL INVENTOR(Ital Sheet	•	ge <u>3</u> of <u>3</u>		
Name of Additional Joint Invento			tion has been filed for	this unclease	d in contact		
Name of Additional Joint Invento			A petition has been filed for this unsigned inventor				
Given Name (first and middle Prasad	e (if any))	Family Name or Sumame					
		Dharap		100	1-		
Inventor's Signature		ı		Date	120/2006		
Houston TX	TX State		us Country	IN Citizo	enship		
4100 Greenbriar, No. 318							
Mailing Address							
Houston City	TX State		77098 Zip	US Cour	atn.		
Name of Additional Joint Inventor		A net	tion has been filed for				
Given Name (first and middle				e or Sumame			
Li		Zhiling			-		
Inventor's Signature				Date			
Houston Residence: City	TX State		US Country		CN Citizenship		
4045 Linkwood, No. 335	1 0.0.0				Oluzensnip		
Mailing Address							
Houston	тх		77025	us			
Name of Additional Joint Inventor	State		Zip	Cour			
		A peti	tion has been filed for				
Given Name (first and middle	(if any))	Kim	Family Name	or Sumame			
8 =				1			
Inventor's Signature				Date			
Houston Residence: City	TX State		US Country		US Citizenship		
5740 Gulfton, No. 1367					the state of the s		
Mailing Address		-					
Houston City	TX State		77081 Zip	US Coun	try		

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Attorney Docket

,	DECLARA	TION	FOR UTI	ILITY OR	Number		11321-P061WOUS	, <u> </u>	
		DES	SIGN		First Named In	ventor	Billups, et al.		
			PPLICAT	ION		COMF	PLETE IF KNOWN	,	
	(37 CF	R 1.63)	Ī	Application Nu	mber	10/542,697		
	Declaration Submitted	OR	1 4 1	aration mitted after Initial	Filing Date		23 January 2004		
	With Initial Filing	OK .	Filin		Art Unit		Unknown		
	· · · · · · · · · · · · · · · · · · ·	-		uired)	Examiner Nam	ie	Unknown		
I here	by declare that								
	Each inventor's residence, mailing address, and citizenship are as stated below next to their name.								
I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:									
SMART MATERIALS: STRAIN SENSING AND STRESS DETERMINATION BY MEANS OF									
NANOTUBE SENSING SYSTEMS, COMPOSITES AND DEVICES									
			***	(Title of the	Invention)				
the sp	ecification of wh								
	is attached he	reto							
	OR				_				
\checkmark	was filed on (M	M/DD/Y	YYY)	19 JULY 2005	as United S	States Appl	lication Number or	r PCT International	
Applio	otion Number	10	/5.40.607	1				- I	
	ation Number		/542,697	and was amended		· L		(if applicable).	
amen	ded by any amer	ndment :	specifically r	derstand the contents eferred to above.	of the above id	entinea sp	ecification, includi	ng the claims, as	
I ackn	owledge the du	ty to di	sclose infon	mation which is mate	rial to patentat	oility as de	efined in 37 CFR	1.56, including for	
contin	uation-in-part ap e national or PC	plication T intern	ns, material ational filing	information which bed date of the continuation	ame available on-in-part applic	between t cation.	he filing date of the	he prior application	
I here	by claim foreign	priority	benefits ur	nder 35 U.S.C. 119(a) ate(s), or 365(a) of an	-(d) or (f), or 3	365(b) of a	any foreign applic	ation(s) for patent,	
countr	y other than the	United	States of An	nerica, listed below an	id have also ide	entified bel	ow, by checking the	he box, any foreign I	
applica	ation for patent, that of the appli	inventor	's or plant b	reeder's rights certifica	ate(s), or any P	CT interna	itional application	having a filing date	
	Foreign Applic	_		Foreign Filing	Date	Priority	Certified	d Copy Attached?	
	Number(s)		Country	(MM/DD/YY	YY)	Not Claim		NO	
N/A									
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	Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.								
	Additional for	eign ap	plication nun	nbers are listed on a s	upplemental pri	iority data	sheet PTO/SB/02I	B attached hereto.	

[Page 1 of 2]
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DECLARATION — Utility or Design Patent Application

correspondence to:	ne address sociated with ustomer Numbe	r:					OR	V	Correspondence address below
Name						***			
Robert C. Shaddox									
Address		·							
P.O. Box 50784									
City				Stat	e				ZIP
Dallas				тх					75201-0784
Country		Telephone	€	L			Fax		<u> </u>
us		(713) 650-27	764					745-539	10
I hereby declare that all staten and belief are believed to be statements and the like so ma- false statements may jeopardiz	e true; and fur de are punishal	tner that th ble by fine o	iese stat or impriso	emen	ts we nt. or	ere made both unde	with r 18 I	tha kno	whodae that willful folce
NAME OF SOLE OR FIRST IN	IVENTOR:	İ	Пар	etition	has	been filed t	for this	s unsiar	ned inventor
Given Name (first and middle [if any])				Family Name or Surn					me
Enrique V.						Barrera			
Inventor's Signature									Date
Residence: City	State			Cou	ntry			Citizer	I
Houston	XX			us				US	•
Mailing Address 2514 Dryden Road									
City	State				Zip	<u> </u>			Country
Houston	TX				770	30		ι	JS
NAME OF SECOND INVENTO	R:				1 A	petition ha	s bee	n filed fo	or this unsigned inventor
Given Name (first and middle [i	f any])					Family Nar			
Satish				$\overline{}$	- 1	lagarajaiah			
Inventor's Signature	Fa	Re	l	1	×	5			Date 2 - 20 - 06
Residence: City	State			Cou	ntry			Citizen	ship
Sugar Land	TX			US				IN	
Mailing Address 3106 Pablo Picasso Dr.							-		
City	State				Zip			Countr	у
Sugar Land	тх				7747	9		US	
Additional inventors or a legal rep	presentative are being	ng named on th	ne <u>1</u> si	upplem	ental s	heet(s) PTO/S	B/02A	or 02l R a	ittached hereto.
			CHIEF TO THE PARTY OF			,.,			

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DECLARATION		ADDITION Supplement	IAL INVENTOR al Sheet	•	ge 3 of 3	
Name of Additional Joint Inventor, if an	y:	A petiti	ion has been filed f	or this unsigned	d inventor	
Given Name (first and middle (if any))	Family Name or Surname				
Prasad		Dharap				
Inventor's Signature				Date		
Houston Residence: City	TX State		s Country	IN Citize	enship	
4100 Greenbriar, No. 318						
					•	
Mailing Address	<u></u>			· ·		
Houston City	TX State		77098	US	 .	
Name of Additional Joint Inventor, if an		A petiti	Zip on has been filed f	Cour		
Given Name (first and middle (if any)	Family Name or Surname					
u		Zhiling				
Inventor's Signature				Date		
Houston	тх		us	******	CN	
Residence: City	State		Country		Citizenship	
4045 Linkwood, No. 335						
Mailing Address						
Houston	тх		77025	us		
City	State		Zip	Cour	try	
Name of Additional Joint Inventor, if any	<i>y</i> :	A petiti	on has been filed fo	or this unsigned	l inventor	
Given Name (first and middle (if any))	<u> </u>		Family Nar	ne or Surname	:	
Jong Dae		Kim				
Inventor's Signature AMN	/			2.3 Date	FEB 2006	
Houston Residence: City	TX State		US Country		us Citizenship	
5740 Gulfton, No. 1367						
Mailing Address						
Houston City	TX State		77081 Zip	US Coun	try	

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Attorney Docket 11321-P061WOUS **DECLARATION FOR UTILITY OR** Number First Named Inventor DESIGN Billups, et al. PATENT APPLICATION COMPLETE IF KNOWN (37 CFR 1.63) **Application Number** 10/542,697 Filing Date Declaration Declaration 23 January 2004 Submitted OR Submitted after Initial Art Unit With Initial Filing (surcharge Unknown Filing (37 CFR 1.16 (e)) **Examiner Name** required) Unknown I hereby declare that: Each inventor's residence, mailing address, and citizenship are as stated below next to their name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SMART MATERIALS: STRAIN SENSING AND STRESS DETERMINATION BY MEANS OF NANOTUBE SENSING SYSTEMS, COMPOSITES AND DEVICES (Title of the Invention) the specification of which is attached hereto OR 19 JULY 2005 was filed on (MM/DD/YYYY) as United States Application Number or PCT International Application Number 10/542,697 and was amended on (MM/DD/YYYY) (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed. **Prior Foreign Application** Foreign Filing Date **Priority Certified Copy Attached?** Number(s) Country (MM/DD/YYYY) **Not Claimed** N/A Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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DECLARATION — Utility or Design Patent Application

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correspondence to: as:	e address sociated with stomer Numbe	r:						OR	V	Correspondence address below
Name										
Robert C. Shaddox										
Address			_							
P.O. Box 50784										
City					State	<u> </u>			~	ZIP
Dallas					TX					75201-0784
Country		Telepho	ne					Fax		
us		(713) 650-	2764					(214)	745-539	90
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.										
NAME OF SOLE OR FIRST IN	VENTOR:			Δne	atition	hae	heen filed	for this	e uneia	ned inventor
Given Name (first and middle [if any])				1 // PC	petition has been filed for this unsige Family Name or Surna					
Enrique V.							Barrera			
Inventor's Signature							<u> </u>			Date
Residence: City	State				Cou	ntry			Citize	nship
Houston	TX			l	US				US	
Mailing Address 2514 Dryden Road				•		***				
City	State					Zip				Country
Houston	TX					7703	30			US
NAME OF SECOND INVENTO	R:					l A	petition ha	as bee	n filed	for this unsigned inventor
Given Name (first and middle [in	f any])	_		_			Family Na			
Satish						N	lagarajaiah			
Inventor's Signature				•						Date
Residence: City	State				Cou	ntry			Citize	nship
Sugar Land	тх			- 1	US	·			IN	·
Mailing Address 3106 Pablo Picasso Dr.										, , , , , , , , , , , , , , , , , , ,
City	State	•				Zip	-		Count	ry
Sugar Land	тх					7747	9		us	
Additional inventors or a legal rep	presentative are bei	ng named or	the	1 st	upplem	ental s	heet(s) PTO/	SB/02A	or 02LR	attached hereto.

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DECLARATION		ADDITION/ Supplementa	AL INVENTOR(I Sheet		qe 3 of 3		
Name of Additional Joint Inventor, if any	/ :	A petition	n has been filed for	this unsigned	I inventor		
Given Name (first and middle (if any))	······································	Family Name or Surname					
Prasad		Dharap					
Inventor's Signature		· · · · · · · · · · · · · · · · · · ·		Date			
Houston Residence: City	TX State	us C	s country	IN Citize	enship		
4100 Greenbriar, No. 318							
Mailing Address							
Houston City	TX State		77098	us			
Name of Additional Joint Inventor, if any		A petitio	Zip on has been filed for	Coun			
Given Name (first and middle (if any))		Family Nam	ne or Sumame	•			
Li		Zhiling					
Inventor's Signature Thit &				Fe. Date	626,7006		
Houston	тх		us		CN		
Residence: City 4045 Linkwood, No. 335	State		Country	· · · · · · · · · · · · · · · · · · ·	Citizenship		
Mailing Address							
Houston	тх		77025	us			
City	State		Zip	Coun	try		
Name of Additional Joint Inventor, if any	<i>y</i> :	A petitio	n has been filed for	this unsigned	I inventor		
Given Name (first and middle (if any))			Family Nam	e or Sumame			
Jong Dae		Kim					
Inventor's Signature				Date			
Houston Residence: City	TX State		US Country		US Citizenship		
5740 Gulfton, No. 1367		***	,,				
Mailing Address							
Houston City	TX State		77081 Zip	US Coun	trv		

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Rec'd PCT/PTO 09 MAR 2006 10/542697

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	ormation unless it displays a valid OMB control number.
Application Number	10/542,697
Filing Date	January 23, 2004
First Named Inventor	Barrera, et al.
Title	Smart Materials: Strain Sensing and Stress Determination
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	11321-P061WOUS

			Attorney Do	CKULING	IIIIDei	11321-P061000	JUS		/
I hereby revoke a	Il previo	ous powers of attorney give	en in the ab	ove-id	entified a	pplication.			
I hereby appoint:		<u></u>							
Practitioners as	sociated	with the Customer Number:							
OR		L							
✓ Practitioner(s) r	named be	elow:							
		Name		···.	Reg	gistration Numb	er		ا ا
Robert C. Shad	dox					34,011	-		1.7
Ross Spencer	Ross Spencer Garsson					38,150			
Edward T. Mick	celson .					50.413	4		
as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.									
The address OR	associat	e correspondence address for the led with the above-mentioned Custed with Customer Number:			ication to:				
Firm or Individual	Name	Winstead Sechrest & Minick P.C	C.						
Address		P.O. Box 50784							
City		Dallas		State	<u>TX</u>		Zip 7520	1	
Country		US							
Telephone		713.650.2764		Fax	214.745.5	390			
Applicant/Inv	ecord of	the entire interest. See 37 CFR 3 FR 3.73(b) is enclosed. (Form P)	3.71. TO/SB/96)						
		SIGNATURE of A		ssignee	of Record				
Signature	-	Enguev. Ban	<u> </u>			Date	2/15	loh	
Name	Enrique	V. Barrera				Telephone)	T	
Title and Company									
NOTE: Signatures of all the signature is required, see	ne inventor below*.	rs or assignees of record of the entire	interest or their	represent	tative(s) are re	equired. Submit m	nultiple forms if	more than or	ne
✓ *Total of 6		forms are submitted.							

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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	rmation unless it displays a valid Own control number.
Application Number	10/542,697
Filing Date	January 23, 2004
First Named Inventor	Barrera, et al.
Title	Smart Materials: Strain Sensing and Stress Determination
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	11321-P061WOUS

I hereby revoke al	l previous powers of attorney given	in the above-id	entified applica	ition.			
I hereby appoint:				 -			
Practitioners ass	sociated with the Customer Number:						
OR	<u> </u>	<u></u>					
Practitioner(s) named below:							
	Name Registration Number						
Robert C. Shad	Robert C. Shaddox			011			
Ross Spencer (Garsson		38,	150			
Edward T. Mick	relson		50,	413			
as my/our attorney(s) of Trademark Office conf	or agent(s) to prosecute the application iden	itified above, and to	transact all busine	ess in the U	nited States Patent and		
The address OR	P.O. Box 50784 Dallas US 713.650.2764		TX 214.745.5390		Zip 75201		
Assignee of r	record of the entire interest. See 37 CFR 3.7 order 37 CFR 3.73(b) is enclosed. (Form PTC	71. D/SB/96)					
	SIGNATURE of App	olicant or Assigned	of Record				
Signature	Sarrel	12		Date	2-20-06		
Name	Satish Nagarajaiah			Telephone			
Title and Company							
NOTE: Signatures of all the signature is required, see	he inventors or assignees of record of the entire in below*.	terest or their represer	ntative(s) are required	d. Submit mu	Ruple forms if more than one	3	
*Total of 6	forms are submitted.						

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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POWER OF ATTORNEY and **CORRESPONDENCE ADDRESS** INDICATION FORM

Application Number	10/542.697
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Title	Smart Materials: Strain Sensing and Stress Determination
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	11321-P061WOUS

		ll previo	ous powers of attorney gi	iven in the ab	ove-id	entified application.		
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	Practitioners associated with the Customer Number:							
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\checkmark	Practitioner(s) n	amed be	elow:					
			Name			Registration Nun	nber	
	Robert C. Shad	ldox				34,011		
	Ross Spencer	Garsson				38,150		
	Edward T. Mick	elson				50,413		

as my Trade	//our attorney(s) emark Office con	or agent(nected th	 s) to prosecute the application erewith. 	identified above	, and to	transact all business in th	ne United States Patent and	
	Please recognize or change the correspondence address for the above-identified application to: The address associated with the above-mentioned Customer Number: OR The address associated with Customer Number: OR							
V	Firm or Individual	Name	Winstead Sechrest & Minick I	P.C.				
	Address		P.O. Box 50784					
	City		Dallas		State	TX	Zip 75201	
	Country	·····	US					
Lam	Telephone		713.650.2764		Fax	214.745.5390		
l am the: Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)								
SIGNATURE of Applicant or Assignee of Record								
Signa	ture		Rolling			Date	02/20/2006	
Name		Prasad (Telepho		
Title and Company STRUCTURAL EMGENCER SEA EMGENCERENG INC.								
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.								
V	*Total of 6		forms are submitted.					

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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POWER OF ATTORNEY and **CORRESPONDENCE ADDRESS INDICATION FORM**

Application Number	10/542,697
Filing Date	January 23, 2004
First Named Inventor	Barrera, et al.
Title	Smart Materials: Strain Sensing and Stress Determination
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	11321-P061WOUS

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	II previ	ous powers of attorney give	en in the ab	ove-id	entified appli	cation.	-	
I hereby appoint:								
Practitioners as	ssociated	with the Customer Number:						
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		Name			Registr	ation Numb	er	
Robert C. Sha	ddox			**	3	34,011		7
Ross Spencer	Garsson				3	8,150		
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Please recognize or change the correspondence address for the above-identified application to: The address associated with the above-mentioned Customer Number: OR The address associated with Customer Number: OR Firm or								
Address	Name	Winstead Sechrest & Minick P.						
		P.O. Box 50784						
City		Dallas		State	TX		Zip 7520	1
Country		US						
Telephone		713.650.2764		Fax	214.745.5390			N
l am the:								
		SIGNATURE of A	pplicant or A	ssignee	of Record			
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Name	ame Li Zhiling Telephone							
Title and Company NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one								
signature is required, see	below*.	is or assignees of record of the entire	interest or their	represent	lative(s) are requir	ed. Submit m	ultiple forms if	more than one
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This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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POWER OF ATTORNEY and **CORRESPONDENCE ADDRESS**

INDICATION FORM

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		previo	us powers of attorn	ey given in the	above-ide	entified applic	ation.		
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Practiti	ioners asso	ociated v	with the Customer Numb	per:					
OR				L.,,,,,					
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			Name			Registrat	ion Numbe	r	
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Please recognize or change the correspondence address for the above-identified application to: The address associated with the above-mentioned Customer Number: OR The address associated with Customer Number: OR									
Addres	ss		P.O. Box 50784					*	
City			Dallas		State	TX		Zip 75201	
Countr	ry		US						
Teleph	none		713.650.2764		Fax	214.745.5390			
l am the: Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)									
SIGNATURE of Applicant or Assignee of Record									
Signature		1	1) 164/				Date	23FEB 2006	
Name		Jong Da	e Kim				Telephone		
Title and Con	Title and Company								
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.									
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This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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POWER OF ATTORNEY and **CORRESPONDENCE ADDRESS** INDICATION FORM

Application Number	10/542,697
Filing Date	January 23, 2004
First Named Inventor	Barrera, et al.
Title	Smart Materials: Strain Sensing and Stress Determination
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	11321-P061WOUS

		ous powers of attorney given	ven in the ab	ove-id	entified applic	ation.				
I hereby ap	opoint:								·	
	Practitioners associated with the Customer Number:									
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✓ Practiti	ioner(s) named be	low:								
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	Firm or Individual Name Winstead Sechrest & Minick P.C.									
Addres	Address P.O. Box 50784									
City		Dallas		State	TX	1	Zip	7520)1	
Countr	у	US			.1	1	•	<u> </u>		
Teleph	one	713.650.2764		Fax	214.745.5390					
I am the:		- · · · · · · · · · · · · · · · · · · ·								
Appl	licant/Inventor.									
Assi State	gnee of record of t ement under 37 C	the entire interest. See 37 CFR FR 3.73(b) is enclosed. (Form	3.71. PTO/SB/96)							
	0, -	SIGNATURE of	Applicant or A	ssignee	of Record				(
Signature	17(1)	an yra	VIII			Date	コ	18	66	
Name	Nila D. E	ihakuni			1	Telephone	713	.348.6	_	
Title and Company Director, Office of Technology Transfer, William Marsh Rice University										
NOTE: Signatur signature is req	NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.									
✓ *Total o	of 6	forms are submitted.								

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT UNDER 37 CFR 3.73(b)
Applicant/Patent Owner: WILLIAM MARSH RICE UNIVERSITY
Application No./Patent No.: 10/542,697 Filed/Issue Date: JANUARY 23, 2004
Entitled: SMART MATERIALS: STRAIN SENSING AND STRESS DETERMINATION BY MEANS OF NANOTUBE SENSING SYSTEMS, COMPOSITES AND DEVICES
WILLIAM MARSH RICE UNIVERSITY , a UNIVERSITY (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is: 1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is%
in the patent application/patent identified above by virtue of either:
A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. OR
B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
To: The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
From:To:To:To:
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
From: To: The document was recorded in the United States Patent and Trademark Office at
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
Additional documents in the chain of title are listed on a supplemental sheet.
Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.
Signature
Nila D. Bhakuni (713) 348-6231 Printed or Typed Name Telephone Number
Director, Office of Technology Transfer, William Marsh Rice University Title

This collection of information is required by 37 CFR 3.73(b). The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Assignment of Invention

WHEREAS, I, Enrique V. Barrera, 2514 Dryden Road, Houston, TX 77030, USA; and I, Satish Nagarajaiah, 3106 Pablo Picasso Dr., Sugar Land, TX 77479, USA; and I, Prasad Dharap, 4100 Greenbriar, Apt. 318, Houston, TX 77098, USA; and I, Li Zhiling, 4045 Linkwood, Apt. 802, Houston, TX 77025 USA; and I, Jong Dae Kim, 5740 Gulfton, # 1367, Houston, TX 77081 USA have invented certain new and useful improvements in: "SMART MATERIALS, STRAIN SENSING, AND STRESS DETERMINATION BY MEANS OF NANOTUBE SENSING SYSTEMS, COMPOSITES, AND DEVICES" for which an application for Letters Patent was filed on January 23, 2003 under Serial Number 60/442,134;

WHEREAS, WILLIAM MARSH RICE UNIVERSITY, a corporation organized under the laws of Texas, having a principal office and place of business at 6100 Main Street, Houston, Texas 77005, USA desires to acquire from Enrique V. Barrera, Satish Nagarajaiah, Prasad Dharap, Li Zhiling and Jong Dae Kim the entire right, title and interest they have in and to said invention and in and to any Letters Patent that may be granted thereof in the United States and its territorial possessions, and any and all countries foreign to the United States of America;

NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, I, by these presents do sell, assign and transfer unto said ASSIGNEE, all of my rights to the said invention in the United States and its territorial possessions and all countries foreign to the United States of America, and my entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof, and to any and all Letters Patent which may be granted therefor in all countries foreign to the United States.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and Patent Office Officials in all countries foreign to the United States to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the use and behalf of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions, and in all countries foreign to the United States.

The undersigned hereby grants authorized representatives of the above identified ASSIGNEE the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

EXECUTED AT:	
	(City, State, Country)
Date: 2 15 0 L	Enrique V. Barrera, Inventor
•	Enrique V. Barrera, Inventor
EXECUTED AT:	
	(City, State, Country)
Dota:	
Date:	Satish Nagarajaiah, Inventor
	Sutton Pugarajatan, Hivonton
•	•
	,
EXECUTED AT:	(2)
	(City, State, Country)
Date:	
	Prasad Dharap, Inventor

Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions, and in all countries foreign to the United States.

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EXECUTED AT:	
	(City, State, Country)
Date:	E V. D V.
	Enrique V. Barrera, Inventor
EXECUTED AT:	
·	(City, State, Country)
Date: 2-20-06	Garelia
	Satish Nagarajaiah, Inventor
·	
EXECUTED AT:	
	(City, State, Country)
Date:	
	Prasad Dharan Inventor

Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions, and in all countries foreign to the United States.

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EXECUTED AT:	
	(City, State, Country)
Date:	Enrique V. Barrera, Inventor
EXECUTED AT:	(City, State, Country)
Date:	Satish Nagarajaiah, Inventor
EXECUTED AT: HOU	「ハリー」「「モメト」」 US A (City, State, Country)
Date: <u>62/20/2006</u>	Presed Oharan Inventor

EXECUTED AT: _		
	(City, State, Country)	
Date: Feb 26, 2	Li Zhiling, Inventor	······································
EXECUTED AT: _		
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. •		
Date:	•	
Date:	J. D. Kim, Inventor	· ·

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EXECUTED AT:	
	(City, State, Country)
Date:	
	Li Zhiling, Inventor
EXECUTED AT:	SEOUL, KOREA
	(City, State, Country)
Date: FEBRUARY 23,200	6 12 18M
	I D Vim Inventor

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